

In the Application of:

Inventors

: Robert A. Hendel and

Jean M. Lovett

Serial No.

: 10/663,585

Filed

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September 16, 2003

Title

: TREATMENT OF SEMI-

PERMEABLE FILTRATION

MEMBRANES

Art Unit

: Not yet assigned

Docket No.

: 020354-071P2

Customer No.: 33805

Commissioner for Patents

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INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08A. One copy of each foreign patent reference is attached pursuant to 37 C.F.R 1.98 (a)(2). Copies of all U.S. patents listed are omitted pursuant to the waiver of this requirement in the Official Gazette of August 5, 2003.

It is respectfully requested that the information identified herein be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information disclosure statement, filed in accordance with 37 C.F.R. 1.97, shall not be construed as a representation that a search has been made or that any item listed herein is "prior art." Further, the filing of this information disclosure statement shall not be construed to be an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b)

of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted, WEGMAN, HESSLER & VANDERBURG

Date: ///////

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| П | SFORMATIO | N DISCLOSU | NRIF. | Application Number | 10/663,585 | |
| INFORMATION DISCLOSURE STATEMENT BY PRICANT | | | | Filing Date | September 16, 2003 | |
| | (use as many sheets as necessary) | | | First Named Inventor | Robert A. Hendel | |
| | WOA 5 7 5003 F | | | Art Unit | | |
| | | Derro Maria Car | | Examiner Name | | |
| Sheet | 1 | of 1 | | Attorney Docket Number | 020354 071P2 | |

| | | | U.S. PATENT I | OCUMENTS | |
|-----------------------|--------------------------|--|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | <u>Document Number</u> Number - Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | AA | US-3,839,201 | 10-01-1974 | Miller | |
| | AB | US-4,277,344 | 07-07-1981 | Cadotte | |
| | AC | US-4,659,481 | 04-21-1987 | Chen | |
| | AD | US-4,701,262 | 10-20-1987 | Chen | |
| | AE | US-4,765,897 | 08-23-1988 | Cadotte et al. | |
| | AF | US-4,769,148 | 09-06-1988 | Fibiger et al. | |
| | AG | US-4,781,830 | 11-01-1988 | Olsen | |
| | AH | US-4,812,270 | 03-14-1989 | Cadotte et al. | |
| | AI | US-4,824,574 | 04-25-1989 | Cadotte et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No.1 | Foreign Patent Document Country - Number ⁴ -KindCode ⁵ Code ³ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | AJ | EP 0 880 401 B1 | 12-02-1998 | The Dow Chemical Company | | |
| | AK | WO 02/079106 A1 | 10-10-2002 | Betz Dearborn Inc. | | |

| | Examiner Signature | Date Considered | |
|---|-----------------------|--------------------|--|
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

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| | (use as many sheets as necessary) | | First Named Inventor | Robert A. Hendel |
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| | | | Examiner Name | |
| Sheet | 2 of | 2 | Attorney Docket Number | 020354 071P2 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | <u>Document Number</u> Number - Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | AL | US-4,859,384 | 08-22-1989 | Fibiger et al. | |
| | AM | US-5,073,269 | 12-17-1991 | Denzinger et al. | |
| | AN | US-5,180,498 | 01-19-1993 | Chen et al. | |
| | AO | US-5,232,603 | 08-03-1993 | Denzinger et al. | |
| | AP | US-5,658,993 | 08-19-1997 | Denzinger et al. | |
| | AQ | US-5,755,964 | 05-26-1998 | Mickols | |
| | AR | US-6,416,668 | 07-09-2002 | Al-Samadi | |
| | AS | US-6,444,747 | 09-03-2002 | Chen et al. | |
| | | US | | | |